

The attached pages are amendments to the Kentucky Building Code and became effective July 27, 2005.

The amendments are coded in Red.

106.3.4.2 Seismic design professional in responsible charge. When Sections 106.1 and 122.1 require construction documents to be prepared by a registered design professional, the design professional in responsible charge shall provide on or with the initial application documents presented to the office, the seismic design category, design loads and other information pertinent to the structural design required by Sections 1603 and 1621. If the design professional determines that the building or any component part thereof is exempt from any of the seismic construction provisions of this code, a statement to that effect shall be included with the initial application documents presented to the office.

121.3.16 Dry chemical systems review fee (except range hoods): One to 30 pounds of agent shall be \$150; over 30 pounds of agent shall be \$150 plus 25 cents per pound in excess of 30 pounds.

121.3.17 Spectator seating system review fee. Seating systems having 1 to 1,000 seats shall be \$150; over 1,000 seats shall be \$150 plus \$20 for each additional 200 seats in excess of 1,000 seats. The total number of seats in seating systems without dividing arms shall be calculated at 18 inches per seat as required by Section 1003.2.2.9 of this code.

121.4 Local jurisdiction: Each local government shall adopt its own schedule of reasonable fees for building permits and the performance of functions under this code. The fees shall be designed to cover fully the cost of the service performed but shall not exceed the cost of the service performed.

121.5 Accounting: The code official shall keep an accurate account of all fees collected and such collected fees shall be deposited monthly in the jurisdiction treasury, or otherwise disposed of as required by law.

SECTION 122. DESIGN PROFESSIONALS

122.1 General: All construction documents required by Section 106.1 to be prepared by design professional, bear the required signature and seals as indicated in Table 122.1, located at the end of this Section.

Exception: Seals of design professionals shall not be required for tenant space alterations unless the space itself is of a size that would require the seal if it were a new building.

122.2 Special inspections: *Special inspections* shall be made as required by and in accordance with Section 1704 of this code.

122.2.1 Code assurances: If construction on a building began prior to approval by the code official or the construction does not conform to the approved *construction documents* or the standards required by the code, the code official may require *special inspections* and reports if necessary to ensure safety.

122.2.2 Fees and costs: Fees and costs related to the performance of *special inspections* by professional services shall be borne by the owner.

122.3 Licensed HVAC contractors: All work involving HVAC as defined and required by KRS Chapter 198B shall be provided by a licensed Journeyman HVAC Mechanic working, under the supervision of a licensed Master HVAC Contractor. The code official may require proof of licensure when making inspections.

122.4 Quality Work: All work shall be conducted, installed and completed in a workmanlike and acceptable manner so as to secure the results intended by this code.

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREA

Amend Chapter 5 by creating new, deleting or adding to various sections, as follows:

Section 502 Definitions: *Add the following definition:* [F] FIRE LANE. A road or other passageway developed to allow the passage of fire apparatus. A fire lane is not necessarily intended for vehicular traffic other than fire apparatus.

503.1 General. *Create an Exception under 503.1, to read:*

“Exception: Day care center location and construction type shall be further limited in accordance with Table 420.2 in addition to compliance with the height and area limitations of Table 503 for the building construction type.”

506.1 *In the definition for “I_f” delete “(percent)”.* Definition to read: “Area increase due to frontage as calculated in accordance with Section 506.2”.

506.2 **Frontage increase.** Every building shall adjoin or have access to a public way to receive an area increase for frontage. Where a building has more than 25 percent of its perimeter on a public way or open space having a minimum width of 20 feet (6096 mm), the frontage increase shall be 2 percent for each 1 percent of excess frontage and shall be determined in accordance with the following:

$$I_f = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30} \times 2$$

Where

I_f = Area increase due to frontage.

F = Building perimeter which fronts on a public way or open space having 20 feet (6096 mm) open minimum width (feet).

P = Perimeter of entire building (feet).

W = Minimum width of public way or open space (feet).

506.2.3 Fire lane specifications. Where a fire lane is provided for access to open spaces as required by Section 506.2.2, the fire lane shall be installed and arranged in accordance with Sections 506.2.3.1 through 506.2.3.8.

506.2.3.1 Dimensions. Fire lanes shall have an unobstructed width of not less than 20 feet (6096 mm), except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm).

506.2.3.2 Authority. The local fire chief having jurisdiction shall have the authority to require an increase in the minimum access widths where they are inadequate for fire or rescue operation.

506.2.3.3 Surface. Fire lanes shall be designed and maintained to support the imposed loads of fire apparatus and shall be surfaced so as to provide all-weather driving capabilities.

506.2.3.4 Turning radius. The required turning radius of a fire lane shall be determined by the local fire chief having jurisdiction.

506.2.3.5 Dead ends. Dead end fire lanes in excess of 150 feet (45 720 mm) in length shall be provided with an approved area for turning around the fire apparatus.

506.2.3.6 Bridges and elevated surfaces. Where a bridge or an elevated surface is a part of a fire lane, the bridge shall be constructed and maintained in accordance with *AASHTO Standard Specifications for Highway Bridges*.

506.2.3.7 Grade. The grade of the fire lane shall be within the limits established by the local fire chief having jurisdiction based on the fire department's apparatus.

506.2.3.8 Security gates. The installation of security gates across a fire lane shall be approved by the fire chief having jurisdiction. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times.

506.3 Automatic sprinkler system increase. Where a building is protected throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the area limitation in Table 503 is permitted to be increased by 200 percent ($I_s = 200$) for multistory buildings and 300 percent ($I_s = 300$) for single-story buildings.

Exception: Group H-1, H-2 or H-3.

507.2 Sprinkled, one story. The area of a one-story, Group A-4, B, F, M or S building shall not be limited when the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1 and is surrounded and adjoined by public ways or yards not less than 60 feet (18288) in width.

Exceptions:

with tenant, guestroom and dwelling unit separation walls that do not extend to the underside of the roof sheathing above.”

“5. When tenant, guestroom and dwelling unit separation walls are constructed to the underside of a fire-resistance-rated floor/ceiling assembly or to a ceiling with a 60-minute finish rating, the attic draftstopping complying with Section 716.4.3 shall be deemed equivalent.”

719.1 General. *Delete in its entirety.*

720.1 General. *Delete in its entirety.*

CHAPTER 8

INTERIOR FINISHES - No changes

CHAPTER 9

FIRE PROTECTION SYSTEMS

Amend Chapter 9 by creating new, deleting or adding to various sections, as follows:

901.2 Fire protection systems. Fire protection systems shall be installed, repaired, operated and maintained in accordance with this code and the **Kentucky Standards of Safety**.

Any fire protection system for which an exception or reduction to the provisions of this code has been granted shall be considered to be a required system.

Exception: Any fire protection system or portion thereof not required by this code shall be permitted to be installed for partial or complete protection provided that such system meets the requirements of this code.

901.6.2 Fire alarm systems. *Create two new Exceptions to read:*

- “3. Day care centers with 100 or less clients.
4. Churches or other similar religious facilities.”

901.6.3 Group H. *Delete the Exception to this subsection in its entirety.*

902.1 *Amend by deleting the definition of “Constantly Attended Location”.*

903.2.1.1 Group A-1. An automatic sprinkler system shall be provided throughout a fire area containing a Group A-1 occupancy where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet (1115 m²).
2. The fire area is located on a floor other than the level of exit discharge.

903.2.1.3 Group A-3. *Amend to read:* “An automatic sprinkler system shall be provided throughout a fire area containing a Group A-3 occupancy where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet.
2. The fire area is located on a floor other than the level of exit discharge.

Exception: Churches and similar religious facilities.

903.2.1.4 Group A-4. An automatic sprinkler system shall be provided throughout a fire area containing a Group A-4 occupancy where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet (1115 m²).
2. The fire area is located on a floor other than the level of exit discharge.

CHAPTER 11 ACCESSIBILITY

Amend Chapter 11 by creating new, deleting or adding to various sections, as follows:

1101.2 Design. *Amend subsection to read:* “Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and applicable accessibility standards published or proposed by the Department of Justice (DOJ) and adopted by the Housing, Buildings and Construction Board **or ICC ANSI A117.1.** These DOJ standards shall hereafter be referred to as “ADAAG” (American with Disabilities Act Accessibility Guidelines).” **Specific references to ADAAG in this chapter shall not preclude the use of ICC/ANSI A117.1 for accessibility compliance. The provisions of ADAAG or ICC/ANSI A117.1 shall not be mixed in order to achieve compliance with this chapter.**

1102.1 Definitions. *Amend or create additional definitions as follows:*

“ACCESSIBLE ROUTE: A continuous, unobstructed path connecting all accessible elements and spaces of a building or facility. Interior accessible routes may include corridors, floors, ramps, elevators, lifts and clear floor space at fixtures. Exterior accessible routes include parking access aisles, curb ramps, walks ramps and lifts.”

ACCESSIBLE UNIT. A dwelling unit or sleeping unit that complies with this code and ADAAG **or ICC/ANSI A117.1.**

“ADAAG: The Americans with Disabilities Act Accessibility Guidelines for buildings and facilities developed by the U. S. Architectural and Transportation Barriers Compliance Board for use in new construction involving public accommodations, commercial facilities and state and local government buildings.

“CHILDREN’S USE. Spaces or elements specifically designed for use primarily by people between the ages of 5 years and 12 years of age.”

DELETE: DWELLING UNIT, GROUND FLOOR.

DWELLING UNIT OR SLEEPING UNIT, MULTISTORY. A dwelling unit or sleeping unit with habitable space located on more than one story.

“DWELLING UNIT OR SLEEPING UNIT, TYPE A. A dwelling unit **or sleeping unit** designed and constructed for accessibility in accordance with ADAAG **or ICC/ANSI A117.1.**”

“DWELLING UNIT OR SLEEPING UNIT, TYPE B. A dwelling unit **or sleeping unit** designed and constructed for accessibility in accordance with ADAAG **or ICCANSI A117.1.**

INTENDED TO BE OCCUPIED AS A RESIDENCE. This refers to a dwelling unit or sleeping unit that can or will be used all or part of the time as the occupant's place of abode.

1103.2.11 Residential Group R-1. Buildings of Group R-1 containing not more than five sleeping units for rent or hire that are also occupied as the residence of the proprietor are not required to be accessible.

1103.2.13 Church buildings. *Create a new subsection to read:* “Buildings or portions thereof used as a church are not required to be accessible.”

1107.2.3.1 Multilevel assembly seating areas. *Amend subsection to read:* “In multilevel assembly seating areas, wheelchair space clusters shall be provided on the main floor level and on one of each two additional floor or mezzanine levels when an accessible route is provided.”

1107.2.4 Assistive listening systems. *Amend subsection and create Exception to read:* “Stadiums, theaters, auditoriums, lecture halls and similar fixed seating assembly areas where audible communications are integral to the use of the space shall have an assistive listening system, complying with this section and 219 of ADAAG, if the area is equipped with an audio amplification system.

Exception: Courtrooms shall have an assistive listening system even if an audio amplification system is not provided.”

1107.3.3 Group I-3. *Amend subsection to read:* “Occupancies in Group- I-3 shall comply with 233 of ADAAG.”

1107.3.4 Alterations. *Create new subsection to read:* “Alterations to facilities in Group I-1 and I-2 shall comply with 223.1.1 of ADAAG.”

1107.4 Care facilities. *Delete subsection, including Exception, in its entirety.*

1107.5 Group R.. In addition to the other requirements of this chapter, occupancies having dwelling units or sleeping units shall be provided with accessible features in accordance with Sections 1107.5.1 through 1107.5.7.

DELETE CURRENT SECTION 1107.5.1, and replace with:

1107.5.1 Design. Type A and Type B dwelling units and sleeping units, which are required to be accessible units, shall comply with this code and Chapter 11 of ADAAG or Chapter 10 of ICC/ANSI A117.1. Units required to be Type B units are permitted to be designed and constructed as Type A units.

Table 1107.5.1, Accessible Sleeping Accommodations, *delete Table in its entirety.*

1107.5.2 Accessible spaces. Rooms and spaces available to the general public or for the use of the residents and serving accessible units, Type A units or Type B units, shall be accessible. Accessible spaces shall include toilet and bathing rooms, kitchen, living and dining areas, and any exterior spaces, including patios, terraces and balconies.

Exception: Recreational facilities in accordance with Section 1108.14.

DELETE CURRENT SECTION 1107.5.3, and replace with:

1107.5.3 Accessible route. At least one accessible route shall connect accessible building or facility entrances with the primary entrance of each accessible unit, Type A and Type B units, within the building or facility and with those exterior and interior spaces and facilities that service the units.

Exception:

1. If the slope of the finished ground level between accessible facilities and buildings exceeds one unit vertical in 12 units horizontal (8 percent slope), or where physical barriers prevent the installation of an accessible route, a vehicular route with parking that complies with Section 1106 at each public or common use facility or building is permitted in place of the accessible route.

CHAPTER 12

INTERIOR ENVIRONMENT

Amend Chapter 12 by creating new, deleting or adding to various sections, as follows:

1202.2.1 Openings into attic. *Amend subsection to read:* “Exterior openings into the attic space of any building intended for human occupancy shall be covered with corrosion resistant wire cloth screening, hardware cloth, perforated vinyl or similar material that will prevent the entry of birds, squirrels, rodents, snakes and other similar creatures. The openings therein shall be a minimum of 0.0625-inch (1.6 mm) and shall not exceed 0.25 inch (6.4 mm). Where combustion air is obtained from an attic area, it shall be in accordance with Chapter 7 of the International Mechanical Code.”

1202.6 Alternative mechanical system. *Create a new section to read:* “Heating, ventilating and air conditioning (HVAC) systems in occupancies reviewed under NFPA 101 pursuant to Section 115.1 of this code shall be installed in accordance with NFPA 90A or NFPA 90B in lieu of the mechanical code listed in Chapter 35.”

1205.4 Obstruction of courts and yards. *Create a new section and subsections to read:* “Every required *court* and yard shall remain unobstructed for its required area and full height, except for the projections permitted in Sections 1205.4.1 through 1205.4.6.

1205.4.1 Maximum encroachment: A part of any building or structure shall not extend into side *courts*, *inner courts* or yards required for light and *ventilation* of habitable and *occupiable rooms* by the *zoning* law or other statutes controlling building construction. The encroachment shall not exceed 20 percent of the legal area of the yard or *court* which is required for light and *ventilation* purposes.

1205.4.2 Accessories: In Use Groups R and I, clothes poles, arbors, garden trellises and other such accessories shall not be prohibited in the open spaces at ground level.

1205.4.3 Roof eaves: Roof eaves shall not project more than 3 feet (914 mm) beyond the face of the wall.

1205.4.4 Steps and architectural features: Steps, window sills, belt courses and similar architectural features, as well as rain leaders and chimneys, shall not project more than 2 feet (610 mm) beyond the face of the wall.

1205.4.5 Exterior stairways and fire escapes: Outside *stairways*, smokeproof tower balconies, fire escapes or other required elements of a *means of egress* shall not project more than 4 feet (1219 mm) beyond the face of the wall.

1205.4.6 Motor vehicle parking: Where approved, required *court* and yard areas for automobile parking spaces or *private garages* not exceeding one story in *height*, where accessory to and only for the occupants of a Use Group R occupancy, are permitted, provided that required windows for light and *ventilation* are not obstructed thereby.”

1207.2 Minimum ceiling heights. Occupiable spaces and habitable spaces shall have a ceiling height of not less than 7 feet 6 inches (2288 mm). Bathrooms, toilet rooms, kitchens, storage rooms, laundry rooms and corridors or hallways shall be permitted to have a ceiling height of not less than 7 feet (2134 mm).

1208.2 Attic spaces *Amend as follows:* A **clear** opening not less than 20 inches by 30 inches (559 mm by 762 mm) shall be provided to any attic area having a clear height of over 30 inches (762 mm). A 30-inch (762 mm) minimum clear headroom **shall be provided** in the attic space at or **directly** above the access opening.

CHAPTER 13 ENERGY EFFICIENCY

Amend Chapter 13 by creating new, deleting or adding to various sections, as follows:

1301.1 Scope. *Amend subsection to read: “This chapter governs the design and construction of buildings for energy efficiency.”*

1301.1.1. *Amend subsection to read: “Buildings shall be designed and constructed in accordance with the International Energy Conservation Code as referenced in Chapter 35 of this code. The enforcement of the 2003 International Conservation Code (IECC) shall not be mandatory for permit applications received by the building official prior to July 1, 2005.”*

1302. Delete the following:

~~[1302.1 Definitions. Create a new section for definitions to read: “The following words and terms shall, for the purposes of this chapter and as used elsewhere in the code, have the meanings shown herein.”]~~

~~[BUILDING ENVELOPE. The elements of a building which enclose conditioned spaces through which thermal energy is capable of being transferred to or from the exterior or to or from exempted spaces.”]~~

CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

Amend Chapter 15 by creating new, deleting or adding to various sections, as follows:

1503.4 Roof drainage systems. Design and installation of roof drainage systems shall comply with the Kentucky Plumbing Code and the requirements of this section. The primary and secondary roof drainage systems shall comply with the requirements of Sections 1503.4.2 through 1503.4.3.

1503.4.2 Roof drains. Primary and secondary roof drains shall comply with the requirements of this section.

1503.4.2.1 Strainers. Roof drains shall have strainers extending not less than 4 inches (102 mm) above the surface of the roof immediately adjacent to the roof drain. Strainers shall have an available inlet area, above roof level, of not less than one and one-half times the area of the conductor or leader to which the drain is connected.

1503.4.2.2 Flat decks. Roof drain strainers for use on sun decks, parking decks and similar areas that are normally serviced and maintained shall comply with Section 1503.4.1 or shall be of the flat surface type, installed level with the deck, with an available inlet area not less than two times the area of the conductor or leader to which the drain is connected.

1503.4.2.3 Drain Flashings. The connection between roofs and roof drains which pass through the roof and into the interior of the building shall be made water tight by the use of approved flashing material.

1503.4.3 Secondary (emergency) roof drains. Secondary roof drains shall comply with the requirements of this section in addition to the requirements of Section 1503.4.1 and 1503.4.2.

1503.4.3.1 Secondary (emergency) roof drains. Secondary (emergency) roof drains or scuppers shall be provided where the roof perimeter construction extends above the roof in such a manner that water will be entrapped if the primary drains allow buildup for any reason.

1503.4.3.2 Separate systems required. Secondary roof drain systems shall have piping and point of discharge separate from the primary system. Discharge shall be above grade in a location which would normally be observed by the building occupants or maintenance personnel.

1503.4.3.3 Sizing of secondary drains. Secondary (emergency) roof drain systems shall be sized in accordance with the Kentucky Plumbing Code based on the rainfall rate for which the primary system is designed. The secondary drain system shall be equal in size to the primary drain system. Scuppers shall be sized to prevent the depth of ponding water from exceeding that for which the roof was designed as determined by Section 1611.1. Scuppers shall not have an opening dimension of less than 4 inches (102 mm). The flow through the primary system shall not be considered when sizing the secondary roof drain system.

1505.1 General. *In the last line in Note "c" change referenced section from: "1505.6" to "1505.7".*

1507.2. Asphalt shingles. Note a, Item 2: Change referenced table from "1609.5" to "1604.5." Add symbol "I_w" after the term "Importance Factor."

1507.4.5 Snow and ice guards. *Create a new subsection to read: "Metal roof structures with slopes greater than 6 vertical units in 12 units horizontal (50-percent slope) shall be provided with approved guards to prevent large ice or snow slides."*

1509.2 Penthouses. *Amend section by inserting the following sentence at the beginning of the paragraph to read: "Penthouses shall be considered a part of the next lower story when otherwise constructed in compliance with the requirements of this section."*

1509.2 .1 Type of construction. *In Exception 1, line 7 and Exception 2, line 6: delete "over" before "20 feet" and add "or greater" before the word "from". Sentence to read: "...that are 20 feet (6096 mm) or greater from a common..."*

1509.5.1 Noncombustible construction required. *Amend first sentence of subsection by inserting the language, "or miscellaneous structures including screens or enclosures" following the word "cupola" and before the word "that".*

CHAPTER 16 STRUCTURAL LOADS

Amend Chapter 16 by creating new, deleting or adding to various sections, as follows:

1601.2 Certificate of compliance. *Create a new section to read:* “Design compliance with the provisions of this Chapter and Chapter 18 shall be satisfied when certification of an architect or engineer registered in Kentucky to that effect is placed on the drawings submitted to the code official, unless the code official shall notify the designer that a specific code violation exists.”

1601.2.1 Design professional in responsible charge. *The design professional in responsible charge shall provide on or with the initial application documents presented to the office, the seismic design category (SDC), design loads and other information pertinent to the structural design required by Sections 1603 and 1621.*

1602.1 Definitions. *Amend the group of definitions under the heading “FRAME, MOMENT” to read as follows:*

“Moment Frame. A frame provided with restrained connections between the beams and columns to permit the frame to resist lateral forces through the flexural rigidity and strength of its members.

Intermediate Moment Frame (IMF). *A moment frame* of reinforced concrete meeting the detailing requirements of ACI 318-99, Sec. 21.10, of structural steel meeting the detailing requirements of AISC Seismic (1997), Part I, Sec. 10, or of a composite construction meeting the requirements of AISC Seismic (1997), Part II, Sec. 6.4b, 7, 8 and 10.

Ordinary Moment Frame (OMF). *A moment frame* of reinforced concrete meeting the detailing requirements of ACI 318-99 exclusive of Chapter 21, of structural steel meeting the detailing requirements of AISC Seismic (1997), Part I, Sec. 11, or of a composite construction meeting the requirements of AISC Seismic (1997), Part II, Sec. 6.4a, 7, 8 and 11.

Special Moment Frame (SMF). *A moment frame* of reinforced concrete meeting the detailing requirements of ACI 318-99, Sec. 21.2 through 21.5, of structural steel meeting the detailing requirements of AISC Seismic (1997), Part I, Sec. 9, or of a composite construction meeting the requirements of AISC Seismic (1997), Part II, Sec. 6.4a, 7, 8 and 9.”

Rational Analysis. *Create a definition to read:* “Alternative analytical calculations, experimental data, or reference citations that have been approved for use by the building official.”

1603.1.5 Earthquake design date. *Amend to insert new item #7 as follows:*

7. Seismic Design Category.

1603.1.5.1 Seismic-force resisting system applicability to building components. In addition to the earthquake design data required by Section 1603.1.5, the design professional in responsible charge shall determine the applicability of Section 1621 to the architectural, mechanical and electrical components and submit a statement of such applicability or non-applicability with the Plan Application Form or other initial construction documents presented to the building official.

1604.3 Serviceability. *Amend the subsection by adding the following sentence to the end of the paragraph:*

“The maximum story drift for wind loading shall be 0.005 times the story height, unless structural and architectural elements have been designed to account for larger displacements.”

1605.3.2 Alternative basic load combinations. *Amend subsection to read as follows:* "In lieu of the basic load combinations specified in Section 1605.3.1, structures and portions thereof shall be permitted to be designed for the most critical effects resulting from the following combinations. When using these alternate basic load combinations that include wind or seismic loads, allowable stresses are permitted to

CHAPTER 29 PLUMBING SYSTEMS

Amend Chapter 29 by creating new, deleting or adding to various sections, as follows:

2901.1 Kentucky State Plumbing Code. *Delete the existing language in its entirety and insert the following:* “The provisions of this chapter and the Kentucky State Plumbing Code shall govern the erection, installation, alteration, repairs, relocation, replacement addition to, use or maintenance of plumbing equipment and systems. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the Kentucky State Plumbing code, including all fees and licensing requirements. Private Sewage disposal systems shall conform to 902 KAR 10:081 and 10:085.”

“2902 Minimum Fixture Requirements. In a building accommodating males and females, it shall be presumed that the occupants will be equally divided between males and females, unless otherwise denoted. Each building shall have the minimum fixture requirements established by 815 KAR 20:191.”

CHAPTER 30 ELEVATORS AND CONVEYING SYSTEMS

Amend Chapter 30 by creating new, deleting or adding to various sections, as follows:

3001.2 Referenced Standards: *Amend subsection to read:* “Except as otherwise provided for in this code, the design, construction, installation, alteration, repair and maintenance of elevators and conveying systems and their components shall conform to ASME A17.1, ASME A90.1, ASME B20.1, ALI B153.1, and ASCE 24 for construction in flood hazard areas established in Section 1612.3, ASME A17.3, A17.2.2, A17.2.3, A17.4, A17.5 as referenced in Chapter 35 of this code.”

3001.2.1 Personnel and material hoists. Create a new subsection to read: “Personnel and material hoists shall be designed utilizing an approved method that accounts for the conditions imposed during the intended operation of the hoist device. The design shall include, but is not limited to, anticipated loads, structural stability, impact, vibration, stresses and seismic restraint. The design shall account for the construction, installation, operation and inspection of the hoist tower, car, machinery and control equipment, guide members and hoisting mechanism. Additionally, the design of personnel hoists shall include provisions for field-testing and maintenance that will demonstrate that the hoist device functions in accordance with the design. Field tests shall be conducted upon the completion of an installation or following a major alteration of a personnel hoist.”

3002.8 Access to hoistway machinery spaces. Where a governor is located in the top of a single hoistway, a permanent, fixed, noncombustible, vertical ladder shall be provided for access from building floors to the hoistway machinery spaces containing governors. The access ladder shall be located on the outside of the hoistway. Where complete bodily entry is not necessary for maintenance, testing, and inspection of components, the access openings in elevator hoistway enclosures shall be of adequate size and located to permit the required maintenance, testing, inspection, and shall have a minimum clear opening width and height of 2 feet (610 mm) and be provided with doors which shall be kept closed and locked. Keys to unlock the access doors to governors located in the top of the hoistways shall be kept on the premises in a location readily accessible to authorized personnel, but inaccessible to the general public.

Exception: The access door shall not be required for hoistways with multiple elevators, provided the governors are accessible from a minimum of two elevator tops.

3002.8.1 Stop switch A stop switch conforming to the requirements of ASME A17.1, 1996 Edition, Rule 210.2(e), shall be provided for a governor located inside a single hoistway. The stop switch shall be located adjacent to the lock jamb side of the access door and inside the hoistway. For hoistways with multiple elevators, the access door will not be required as long as the governors can be accessible from at least two car tops.

3003.2 Fire-fighters' emergency operation. *Amend subsection to read:* "Elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1 and A17.3."

3006.4 Machine Rooms and Machinery Spaces. *Amend subsection to read:* "Elevator machine rooms and machinery spaces shall be enclosed with construction having a fire resistance rating not less than the required rating of the hoistway enclosure served by the machinery. Openings shall be protected with assemblies having a fire resistance rating not less than that required for the hoistway enclosure doors. Machine rooms that are not located adjacent to elevator shafts shall be enclosed with construction having a fire resistance rating of not less than 1-hour."

3006.4.1 Machine roomless elevators Machine room enclosures for elevators with drive systems located inside the hoistway shall be of adequate size to maintain all electrical and working clearances in front of the controllers and related electrical equipment as required by NFPA 70. Measurements shall be conducted inside the enclosure and the door openings to machine room enclosures shall not be considered as part of the required clear space.

Section 3007. Construction Documents and Permits. *Create a new section, including subsections, to read:*

"3007.1 Application. The application for a permit shall be accompanied by construction documents in sufficient detail and indicating the location of the machinery room and equipment to be installed, relocated or altered; and all supporting structural members, including foundations. The construction documents shall indicate all materials to be used and all loads to be supported or conveyed."

"3007.2 Permits. Equipment or devices subject to the provisions of this code shall not be constructed, installed, relocated or altered unless a permit has been received from the code official before the work is commenced. A copy of such permit shall be kept at the construction site at all times while the work is in progress."

"3007.3 Identification of equipment. In buildings containing more than one elevator or device and where such devices are subject to periodic inspections, each such elevator or device shall be identified by a serial number, in figures not less than 1 inch (25 mm) high, attached to, painted, stenciled or otherwise registered on the crosshead of the elevator car and on the motor or machine; and on devices other than elevators, on the motor or machine. After such devices have been so designated, the serial numbers shall not be changed, except where approved by the code official, and all correspondence in regard to such device shall refer to said number."

Section 3008.0. Certificate Of Compliance. *Create a new section, including subsections, to read:*

“3008.1 General. The operation of all equipment governed by the provisions of this chapter and hereafter installed, relocated or altered shall be unlawful by persons other than the installer thereof until such equipment has been inspected and tested as herein required and a final or limited certificate of compliance has been issued therefor by the code official.”

“3008.2 Final certificate of compliance. The code official shall issue a final certificate of compliance for each unit of equipment which has satisfactorily met all of the inspections and tests required by this chapter. Such final certificate shall bear the signature of the person who made the inspection and tests, and shall designate the rated load and speed, the date of the acceptance tests and inspections, and the name of the code official who made or witnessed such tests and inspections. The final certificate shall also include the necessary space for inserting the name of the person who made the periodic inspection and witnessed the periodic and maintenance tests and the date of the periodic inspection and the maintenance test.”

“3008.3 Limited certificate of compliance. The code official is authorized to issue a limited certificate of compliance for any equipment covered by this chapter, which is hereafter installed, relocated or altered, to permit limited use by the person designated therein during the period of such installation, relocation or alteration. Such certificate shall be signed by the code official, shall bear the dates of issue, renewal and expiration, and shall designate the class of service allowed.”

“3008.3.1 Tests and minimum safeguards required. A limited certificate shall not be issued for an elevator until such elevator has satisfactorily passed tests for rated load, car and counterweight safety, and terminal stopping devices. Permanent or temporary guards and enclosures shall be installed on the car, around the hoistway and at the landing entrances. Equipment other than elevators shall be tested and protectives shall be provided as deemed necessary by the code official to ensure safe operation for the limited service specified.”

“3011.2 Contractor responsibility: The person installing any device covered by this chapter shall make all acceptance tests and shall be responsible for the care and safe operation of such equipment during its construction and until temporarily or finally accepted by the building owner or the owner’s legal agent.”

“3011.3 Maintenance items: All operating and electrical parts and accessory equipment or devices subject to this chapter shall be maintained in a safe operating condition. The maintenance of all equipment covered by this chapter shall conform to ASME A17.1, ASME B20, or ANSI A10.5 listed in Chapter 35.”

“3011.4 Incidents reported and recorded: The owner of the building shall immediately notify the **state elevator inspector** of every **incident** involving personal injury, **and each incident where passenger(s) is removed or assisted from a stalled elevator by maintenance or emergency personnel** or damage to apparatus on, about or in connection with any equipment covered by this chapter, and shall afford the **state elevator inspector** every facility for investigating such **incident**. When an **incident** involves the failure, breakage, **malfunction**, damage or destruction of any part of the apparatus or mechanism, it shall be unlawful to use such device until after an examination by the **state elevator inspector** is made and approval of the equipment for continued use is granted. It shall be the duty of the **state elevator inspector** to make a prompt examination into the cause of the **incident** and to enter a full and complete report thereof in the records of the **state elevator inspector’s office**. Such records shall be open for public inspection at all reasonable hours.”

“3011.5 Removal of damaged parts: It shall be unlawful to remove from the premises any part of the damaged construction, **malfunctioning**, or operating mechanism of elevators, or other equipment subject to the provisions of this chapter, until permission to do so has been granted by the **state elevator inspector**.”

CHAPTER 31 SPECIAL CONSTRUCTION

No Changes

CHAPTER 32 ENCROACHMENT INTO THE PUBLIC RIGHT- OF-WAY

No Changes

CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION

No Changes

FM

Factory Mutual
Standards Laboratories Department
1151 Boston-Providence Turnpike
Norwood, MA 02062

Standard Reference Number	Title	Referenced in code section number
4450-90	Approval Standard for Class I Insulated Steel Deck Roofs.- with Supplements thru 7/92.....	1504.3.1, 1508.1, 2603.3, 2603.4.1.5
4470-86	Approval Standard for Class I Roof Coverings - with Supplements thru August 1992.....	1504.3. 1.1, 1504.6
4880-94	Approval Standard for Class I: a) Insulated Wall or Wall and Roof/Ceiling Panels, b)Plastic Interior Finish Materials, c) Plastic Exterior Building Panels, d) Wall/Ceiling Coating Systems and e) Interior or Exterior Finish Systems	2603.4, 2603.7

GA

Gypsum Association 810
First Street N.E. #510
Washington. DC 20002-4268

Standard Reference number	Title	Referenced in code section number
GA 216-00	Application and finishing of Gypsum Board	Table 2508.1, 2509.1.2
GA 600-00	Fire-resistance Design Manual, 16 th Edition, April.,2000	Table 719.1(1), Table 719.1(2), Table 719.1(3)

HPVA

Hardwood Plywood Veneer Association
1825 Michael Faraday Drive
Reston, VA 20 190-535))

Standard Reference Number	Title	Referenced in code section number
ANSI/HPVA HP 1-1994	The American National Standard for Hardwood and Decorative Plywood	2303.3, 2304.6.2

ICC

International Code Council
5203 Leesburg Pike. Suite 708
Falls Church, VA 22041

Standard Reference Number	Title	Referenced in code section number
ICC/ANSI A117.1-2003	Accessible and Usable Buildings and Facilities.....	1101.2
IECC-2003 [2000]	International Energy Conservation Code.....	101.4.6 [7], 1202.3.2, 1301.1.1, 1403.2
IFC-2000	International Fire Code®.....	101.4.6, 102.6, 307.2, 307.9, Table 307.7(1), Table 307.7(2), 403.8, 404.2, 406.5.1, 410.3.7, 411.1, 412.4.1, 413.1, 414.1.1, 414.1.2, 414.2.4, Table 414.2.4, 414.3, 414.5, Table 414.5.1, 414.5.2, 414.5.4, 414.5.5, 414.6, 415.1, 415.3, Table 415.3.1, 415.7, 415.7.1, 415.7.1 .4, 415.7.2, 415.7.2.3, 415.7.2.5, 415.7.2.7, 415.7.2.8, 415.7.2.9, 415.7.3, 415.7.3.3.3, 415.7.3.5, 415.7.4, 415.8, 415.9.1, 415.9.2.7, 415.9.5.1, 415.9.7.2, 704.8.2, [901.2,] 901.3, 901.5, 903.2.6.1, 903.2.13, Table 903.2.15, 903.5, 905.1, 904.2.1, 906.1, 907.2.5, 907.2.12.2, 907.2.14, 907.2.16, 907.19, 909.20, 910.2.3, Table 910.3, 1001.3, 1202.4.2, 1202.5, 2702.2.8, 2702.2.10, 2702.2.11, 2702.3, 2702.12, 2702.3, 3102.1, 3103.1, 3309.2, 3401.3, 3409.3.2, 3409.6.8.1, 3409.6.14, 3409.6.14.1
IMC-2000	International Mechanical Code®.....	101.4.3, 201.3, 307.9, 406.4.2, 406.6.3, 409.3, 412.4.6, 414.1.2, 414.3, 415.7.1.4, 415.7.2, 415.7.2.8, 415.7.3, 415.7.4, 415.9.11.1, 416.3, 603.1, 707.2, 715.2.2, 715.5.4, 715.6.1, 715.6.2, 715.6.3, 716.5, 718.1, 903.2.14.1, 904.2.1, 908.6, 909.1, 909.10.2, 1004.3.2.4, 1007.3, 1202.1, 1202.2.1, 1202.4.2, 1202.4.2.1, 1202.5, 1202.5, 1208.3, 2304.5, 2801.2, 2801.2.1, 2801.2.2, 3004.3.1, 3401.3, 3409.6.7.1, 3409.6.8, 3409.6.8.1

KFPC-2004	KY Fire Prevention Code (Kentucky Standards of Safety).....815 KAR 10:060 (regulation),101.5, 901.2, 2702.3, 3401.3, 3409.3.2
KPC-2000	Kentucky State Plumbing Code 01.4.4, 102.6, 103.3, 201.3, 415.7.4, 716.5, 903.3.5, (815 KAR, Chapter 20), 1205.3.3, 1503.4, 1611.1, 1806.4.3, 2901.1, 3305.1, 3401.3, 3409.3.2
KY-2002	Kentucky Residential Code (ICC with Ky changes).....101.2, 2113.15, 3401.3
SBCCI SSTD 7-99	Standard for Soil Expansion Index Test1802.3 .2
SBCCI SSTD 10-99	Standard for Hurricane Resistant Residential Construction1609.1.1,2308.2.1
SBCCI SSTD 11-97	Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles1715.2.1, 1715.2.2
SBCCI SSTD 12-97	Standard for Determining Impact Resistance from Windborne Debris1609.1.1
UBC Standard 18-2	Expansion Index Test.....1802.3.2
UBC 26-4-97	Method of Test for the Evaluation of Flammability Characteristics of Exterior, Nonload-Bearing Wall Panel Assemblies Using Foam Plastic Insulation.....2603 .5 .5
UWIC-2000	Urban Wildland Interface CodeTable 1505.1

NCMA

National Concrete Masonry Association
2302 Horse Pen Road
Herndon, VA 22071-3499

Standard Reference Number	Title	Referenced in code section number
NCMA-TEK 5-8A-96	Design Details for Concrete Masonry Fire Walls	Table 719.I(2)

NEMA

National Electrical Manufacturers Association
2101 L Street, N.W., Suite 300
Washington, DC 20037

Standard Reference Number	Title	Referenced in code section number
NEMA-250-97	Enclosures for Electrical Equipment (1000 volts, Max).....	1621.3.13.1
NEMA ICS 6-93	Industrial Control and System Enclosures.....	1621.3.13.1

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy MA 02269-9101

Standard Reference Number	Title	Referenced in code section number
NFPA 11-02	Low-, Medium-, and High-Expansion Foam Systems.....	904.7
NFPA 11A-99	Medium- and High-Expansion Foam Systems	904.7
NFPA 12-00	Carbon Dioxide Extinguishing Systems	904.8, 904.11
NFPA 12A-97	Halon 1301 Fire Extinguishing Systems	904.9
NFPA 13-02	Installation of Sprinkler Systems	507.2, 704.12, 707.2, 903.3.1.1, 903.3.2, 903.3.5.1.1, 904.11, 907.8, 1621.3.10.1, 3104.5, 3104.9

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NFPA 13D-02	Installation of Sprinkler Systems in One- and Two- family Dwellings and Manufactured Homes 03.1.2, 903.3.1.3, 903.3.5.1.1
NFPA 13R-02	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height903.1.2, 903.3.1, 903.3.5.1.1, 903.3.5.1.2, 903.4
NFPA 14-03	Standpipe, Private Hydrants and Hose Systems.....905.2, 905.3.2, 905.3.5, 905.4.2, 905.8
NFPA 16-03	Installation of Foam-water Sprinkler and Foam-water Spray Systems904.7, 904.11
NFPA 17-02	Dry Chemical Extinguishing Systems04.6, 904.11
NFPA 17A-02	Wet Chemical Extinguishing Systems904.5, 904.11
NFPA 30-00	Flammable and Combustible Liquids Code307.9, 415.3
NFPA 30B-02	Manufacture and Storage of Aerosol Products307.9
NFPA 32-00	Drycleaning Plants415.7.4
NFPA 33-00	Spray Application Using Flammable or Combustible Materials307.9, 416.1
NFPA 34-00	Dipping and Coating Processes Using Flammable or Combustible Liquid307.9, 416.1
NFPA 40-01	Storage and Handling of Cellulose Nitrate Motion Picture Film409.1
NFPA 50-01	Bulk Oxygen Systems at Consumer Sites415.7.3
NFPA 54-02	National Fuel Gas Code101.4.2, 201.3, 307.9, 415.7.3, 2113.11.2, 2801.1, 3401.3
NFPA 55-03	Storage , Use and Handling of Compressed and Liquefied Gases in Portable Containers.....
NFPA 58-01	LP-Gas Code 415.7.3
NFPA 61-02	Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities415.7.1
NFPA 70-05	National Electric Code..... 101.4.1, 904.3.1, 907.5, 909.11, 909.12.1, 909.16.3, 1003.2.10.5, 1003.2.11.2, 1204.4.1, 1405.10.4, 2701.1, 2702.1, 3401.2
NFPA 72-02	National Fire Alarm Code.....505.4, 901.6, 903.4.1, 904.3.5, 907.2, 907.2.1, 907.2.1.1, 907.2.10, 9017.2.10.4, 907.2.11.2, 907.2.11.3, 907.2.12.2.3, 907.2.12.3, 907.4, 907.5, 907.9.2, 907.10, 907.14, 907.16, 907.17, 909.12, 909.12.3, 911.1, 3006.5
NFPA 80-99	Fire Doors and Fire Windows.....302.1.1.1, 714.2, 714.2.6.1, 714.2.7.2, 714.3, 714.3.3. 1003.3.1.3.3
NFPA 82-99	Incinerators and Waste and Linen Handling Systems and Equipment.....
NFPA 85-01	Boiler and Combustion Systems Hazards Code415.7.1
NFPA 96-01	Ventilation Control and Fire Protection of Commercial Cooking Operations 904.11
NFPA 101-00	Code for Safety to Life from Fire in Buildings and Structures1008.5.2
NFPA 102-95	Assembly Seating, Tents and Membrane Structures.....Table 1607.1
NFPA 110-02	Emergency and Standby Power Systems 2702.1
NFPA 111-01	Stored Electrical Energy Emergency and Standby Power Systems 2702.1
NEPA 120-99	Coal Preparation Plants 415.7.1
NFPA 204-02	Guide for Smoke and Heat Venting3104.11
NFPA 230-03	Fire Protection of Storage507.2
NFPA 252-99	Standard Methods of Fire Tests of Door Assemblies714.2.1, 714.2.2, 714.2.3, 714.2.4.1
NFPA 253-00	Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Energy Heat Source804.2, 804.3
NFPA 257-00	Standard on Fire Test for Window and Glass Block Assemblies714.2.3, 714.3, 714.3.1
NFPA 259-03	Test Method for Potential Heat of Building Materials2603.4.1.10, 2603.5.3
NFPA 265-98	Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings..... 803.5.1
NFPA 268-01	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source 406.2.1, 1406.2.1.1, 1406.2.1.2, 2603.5 .7

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NFPA 285-98	Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonloadbearing Wall Assemblies Containing Combustible Components Using the International Scale, Multistory Test Apparatus2603.5.5
NFPA 409-01	Standard on Aircraft Hangars.....412.2.6,
412.4 .5	
NFPA 418-01	Standard for Heliports412.5.6
NFPA 484-02	Combustible Metals, Metal Powders, and Metal Dusts.....415.7.1
NFPA 520-99	Subterranean Spaces..... 202, 405.1, 405.1.1
NFPA 654-00	Prevention of Fire & Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids Industries 415.7.1
NFPA 655-01	Prevention of Sulfur Fires and Explosions415.7.1
NFPA 664-02	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities415.7.1
NFPA 701-99	Methods of Fire Test for Flame-Propagation of Textiles and Films802.1, 805.1, 805.2, 3102.3.1, 3105.3
NFPA 704-01	Identification of the Hazards of Materials for Emergency Response414.7.2, 415.2
NFPA 1124-03	Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles415.3.1
NFPA 1963-98	Fire Hose Connections903.3.6, 905.1
NFPA 2001-00	Standard on Clean Agent Fire Extinguishing Systems904.10

NIST

National Institute of Standards and Technology
100 Bureau Dr., Stop 3460
Gaithersburg, MD 20899-3460

Standard reference number	Title	Referenced in code section number
BMS 71-41	Fire Tests of Wood and Metal framed partitions.....	720.7
TRBM-44-46	Fire-resistance and Sound-insulation Ratings for Walls, Partitions and Floors.....	720.7

PCI

Precast Prestressed Concrete Institute
175 W. Jackson Boulevard, Suite 1859
Chicago, IL 60604-9773

Standard Reference Number	Title	Referenced in code section number
MNL 124-1989	Design for Fire Resistance of Precast Prestressed Concrete	720.2.3.1

PTI

Post-Tensioning Institute
1717 XV. Northern Avenue, Suite 114
Phoenix, AZ 85021

Standard Reference Number	Title	Referenced in code section number
PTI 996	Design and Construction of Post-Tensioned Slabs-on-ground, 2nd Edition	1805.8.2